

EXTRICATION EQUIPMENT		TROY FIRE DEPT. TACTICAL PLAN 203.02
<i>Issued</i>	<i>06/05</i>	<i>Revised</i>
		<i>08/12</i>
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EQUIPMENT

Standard Equipment

- The following is a list of standard extrication equipment assigned to each station:
- Hydraulic (Hurst) rescue tool. This includes power unit/generator, model 32 spreader, model Xtractor II cutter, models 20, 30 & 60 rams, extra hoses, chains & hooks.
- Air chisel with regulator, hoses, and assorted bits (panel cutters, long and short cutting chisels).
- Electric reciprocating saw with assorted cutting blades.
- Cable come along with extra handles, 5 ft. (round ring) and 12 ft. (oval ring) rescue chains.
- Hand powered manual hydraulic spreaders.
- Assorted cribbing.
- Metal Band Saw.
- Tool box with assortment of hand tools including seatbelt cutter and spring loaded center punch.
- Die Grinder
- Stabilization Struts

Special Equipment (RESCUE 4)

- The following is a list of additional equipment carried on Rescue 4.

RESCUE CRIBBING (500 PSI Breaking Strength)

(25)6X6X24
(40)6X6X36
(15)4X4X48
(144)4X4X24
(56)2X4X24
(8)6X6X24 wedges
(26)4X4X24 wedges

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RESCUE 42 STRUTS

- (2) long struts with hardware
- (2) shorts struts with hardware
- (1) "A" frame kit
- (1) strut jack
- (1) screw head jack

CHAINS AND RATCHET STRAPS

- (4) 4"X 30' chain anchor ratchet straps with grab hooks 5400lb swl
- (2) ½" X 20' grade 80 alloy chains with grab hooks 12000 lb swl
- (3) 5/8" ratcheting load binders with grab hooks 13000 lb swl

PARATECH HI PRESSURE AIR LIFTING BAGS* AND RELATED EQUIPMENT

- (1) 12 TON 15"X15" max 8" lift
- (1) 17 ton 14"X21" max 9" lift
- (1) 22 ton 20"X20" max 11" lift
- (1) 32 ton 24"X24" max 13" lift
- (1) 35 ton 14"X 42" max 10" lift
- (1) 44 ton 28"X28" max 15" lift
- (1) 74 ton 36"X 36" max 24" lift
- (2) dead man controllers with hose sets
- (4) 18"X18" ¾" plywood
- (2) 36"X36" ¾" plywood
- (3) 4500 psi SCBA cylinders

** Lifting bags can be double stacked*

HYDRAULIC RESCUE TOOLS

- (2) 5000 psi Hurst 110v pumps independently wired for simultaneous operation
- (2) on-board 100' Hurst hydraulic hose reels
- (1) Hurst model 32 spreader
- (1) Hurst model Xtractor II cutter
- (1) Hurst model 30 ram
- (1) Hurst model 60 ram
- (1) Champion rescue tool "Beast" with spreader tip
- (1) Champion rescue tool "Beast" cutter tip
- (1) Champion rescue tool "Beast" USAR cutter tip
- (3) 15' Hurst hose sets

MISCELLANEOUS TOOLS

- (1) Arcair cutting system
- (1) Dewalt 36 volt Sawzall with spare battery and onboard charger

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- (1) Dewalt 36 volt cutoff tool
- (1) Milwaukee electric Sawzall
- (1) Milwaukee electric portable band saw
- (1) pick head axe
- (1) flat head axe
- (1) 12 lb sledge
- (1) haligan bar
- (1) 48" pry bar
- (1) large bolt cutter
- (2) rescue 42 rams supports
- (1) glassmaster
- (2) battery cable cutters
- (6) safety glasses
- (4) sets ear protection
- (1) tool box with sockets/misc hand tools

ELECTRICAL

- (1) 20kw pto generator
- (1) command light
- (1) 100' 12/3 cord reel
- (3) 50' 12/3 portable reels
- (M) multiple 110v outlets
- (6) flashlights

MISCELLANEOUS RESCUE

- (2) stokes baskets
- (2) backboards
- (1) Sked rescue tripod
- (1) Larkin frame
- (1) miscellaneous rappelling harnesses and rescue rope

EXTINGUISHERS

- (1) 10A60BC dry chem
- (1) 5BC CO2
- (1) 2.5 gallon water extinguisher
- (1) 2.5 gallon Biosolve extinguisher
- (400) 2'X2' absorbent pads
- (4) 5 gallon pails of oil dry
- (2) 5 gallon pails of Biosolve

MISCELLANEOUS

- (1) first aid kit
- (6) disposable blankets

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- (2) 5'X12' tarps
- (1) case highway flares

APPROVED:



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Fire Chief

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CAPACITY BASED ON CROSSGRAIN BEARING
(VARIES FROM 200 PSI TO 1000 PSI DEPENDING ON WOOD SPECIES
500 PSI IS USED HERE - EXAMPLE 500 x 3.5 x 3.5 x 4 = 24,000)

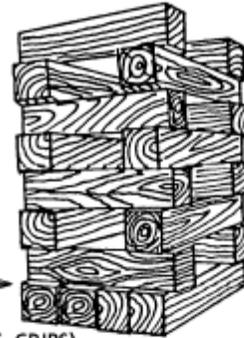
FOR 2 MEMBER x 2 MEMBER LAYOUT

4 x 4 CRIB CAPACITY = 24,000 LBS (12 TONS)

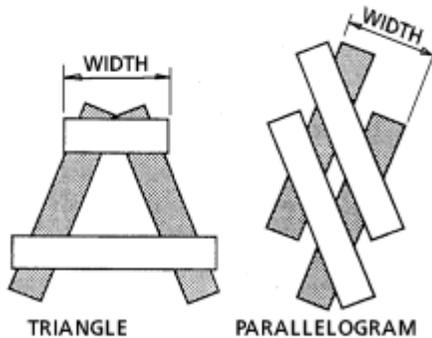
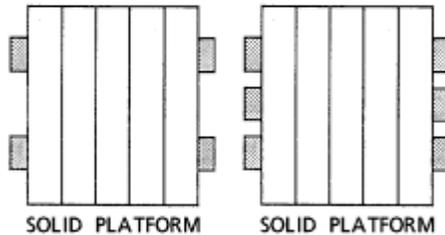
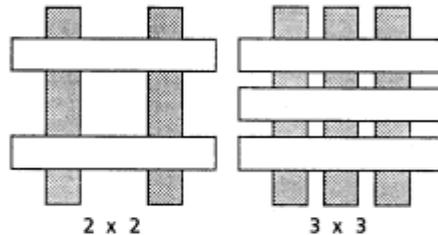
6 x 6 CRIB CAPACITY = 60,000 LBS (30 TONS)

FOR 3 MEMBER x 3 MEMBER CRIB, CAPACITY IS 9/4 AS MUCH
500 x 3.5" x 3.5" x 9 = 55,000, 500 x 5.5" x 5.5" x 9 = 136,000

- BOTTOM LAYER SHOULD BE SOLID TO SPREAD THE LOAD ESPECIALLY ON SOIL OR ASPHALT PAVING
- LIMIT HEIGHT TO 3 TIMES WIDTH (SHORTEST WIDTH FOR NON-SQUARE CRIBS)
- OVERLAP CORNERS BY 4 INCHES TO ASSURE SLOW CRUSH TYPE FAILURE



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BOTH ARE NOT VERY STABLE, KEEP
HEIGHT TO WIDTH WITHIN 1 TO 1

